



THE TULIP CITY CONGLOMERATE



Bulletin of the Tulip City Gem & Mineral Club, PO Box 2082, Holland, MI 49422

Website: www.Tulipcity.org

March 2016

Volume 49, Edition 3

General Meeting

7p Mar 30, 2016
HMCC
Zeeland, MI

Columbus, OH, Canton, OH

Lincoln, NE
Apr 2-3, 2016
Annual Show

Show Meeting

Apr 6, 2016
HMCC
Zeeland, MI

Indian Mounds Show

Apr 7-9, 2016
Wyoming, MI

Board Meeting

Apr 13, 2016
HMCC
Zeeland, MI

Decatur, IL, Cedar Rapids, IA

Cleveland, OH
Apr 16-17, 2016
Annual Show

Cuyahoga Falls, OH Eau Claire, WI,

Troy, OH
Apr 23-24, 2016
Annual Shows

Italics are non-Club events.

This Edition

March Program.....	p1
March Raffle Items.....	p1
Club Calendar/Board.....	p2
Board Spot/Bad Weather.....	p2
Trailer/Club Sales Mat'l.....	p2
Scholarship Banquet.....	p3
Banquet Raffle.....	p3
IMRC Show.....	p3
KGMS Show	p3
Columbus OH Show	p4
Minutes – Board Meeting.....	p5
Minutes – General Meeting.....	p5
AMFS Code of Ethics.....	p6
Junior Page: Ores/Alloys II.....	p7
About Us.....	p8

March 30th Meeting: Student Research

The GVSU geology department appreciates the support their students receive from the Gibson family and the Tulip City Gem and Mineral Club. As a small token of their thanks, four GVSU students have agreed to give short talks at the March 30 meeting highlighting their Gibson-funded research this past summer. The topics cover a wide range of disciplines including hydrology, structural geology, teaching education and glacial geology. With one exception, the research was Michigan focused.

Come see what kind of students and research the club has helped support – it's something we all should be proud of!

Logan Knoper – “A Preliminary Assessment of Implementing Stream Daylighting: Strategies on Little Black Creek in Muskegon County, Michigan.”

Katy Reminga – “When and how did the intraplate Ozark Mountains form and are they actively rising?”

Sarah VanGoor – “Testing for Improvement in Pre-Service Teacher Comprehension of Michigan Metamorphic Geology after Completion of an Integrated Lab.”

Thomas Valachovics – “Investigating a late Pleistocene and Holocene climate and sediment record in glacial kettle, northeastern Muskegon County, Michigan.”

Meet the New Raffle, Same as the Old Raffle

Because of the bad weather and sparse attendance at February's meeting, the raffle was postponed until March. As a reminder, here are the items to be raffled:

1. A pair of handmade bookends donated by Jan Maher. Beautiful Brazilian agate slices are incorporated into the oak design.
2. Three slices of Wonderstone, ready to be cabbed, from Alder, Montana. Average size: 1 3/4" X 13/16" X 8mm.
3. Bead maker's to-go case is filled with all types of beads and findings and Blue Mon Beginner's Guide to Beading. Donated by Jackie Helder and Krystin Grenon.

Tickets are \$1.00 each or 6 tickets for \$5. The funds received from these donated items will go towards advertising in the Tailgate Sale in August.

Club Calendar

Mar 30 (Wed) – General Meeting 7p, HMCC

Apr 2-3 – Canton, OH, Lincoln, NE, Columbus OH

Apr 6 (Wed) – Show Meeting 7p, HMCC, Zeeland, MI

Apr 7-9 – Indian Mounds Show, Wyoming, MI

Apr 9-10 – Canton, IL, Marion, IL, Des Plaines, IL, Green Bay, WI, Monroe, WI

Apr 13 (Wed) - Board Meeting 7p, HMCC

Apr 16-17 – Decatur, IL, Cedar Rapids, IA, Cleveland, OH

Apr 23-24 – Cuyahoga Falls, OH, Eau Claire, WI, Troy, OH

Apr 27 (Wed) – Potluck Banquet 7p, HMCC

Apr 29-May 1 – Kalamazoo Show, MI

Apr 30-May 1 – Fort Dodge, IA, Marshfield, WI

May 6-8 – Hallsville, MO

May 7-8 – Brainerd, MN

May 11 (Wed) – Board Meeting 7p, HMCC

May 14-15 – North Olmsted, OH, Wauwatosa, WI

May 18 (Wed) – Show Meeting 7p, HMCC

May 25 (Wed) – General Meeting 7p, HMCC

June 15 (Wed) – Board Meeting 7p, HMCC (TENTATIVE)

July 20 (Wed) – Show Meeting, 7p, HMCC

Aug 13 (Sat) – Fourth Annual Tailgate, Sam's Lot Holland, MI

Aug 17 (Wed) – Board Meeting 7p, HMCC (TENTATIVE)

Aug 24 (Wed) – Show Meeting, 7p, HMCC, Zeeland, MI

Sep 16-18 – Tulip City Gem and Mineral Show

The "HMCC" is the Howard Miller Community Center, located at 14 South Church Street, Zeeland, MI

Italic listings are non-Club events.

Major source material was from: <http://www.amfed.org/mwf/Calendar/>

2016 Officers and Board of Directors

President	Bob Sherwood	bobandjulia@accn.org
Vice President	C. H. Falstad	cfalstad@ameritech.net
Secretary	Krystin Grenon	klgrenon@gmail.com
Treasurer	Julia Sherwood	bobandjulia@accn.org
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Jr. Club Coord.	Linda Winkelmann	lindawinkelmann@att.net
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Newsletter Ed.	Rudy Silich	tulipcitygemnews@charter.net
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Social Coord.	Open	
Dir. at Large	Patti DeGroot	dgrootd@sbcglobal.net
Dir. at Large	Art Edson	art@aedson.com

For 2016, there are fourteen (14) positions, which have one vote each. There are fourteen (14) persons on the Board (two persons share one position, and one position is open).

Board Position Open

The Social Coordinator Position is OPEN. If you are interested, please contact any Board Member.

Bad Weather Reminder

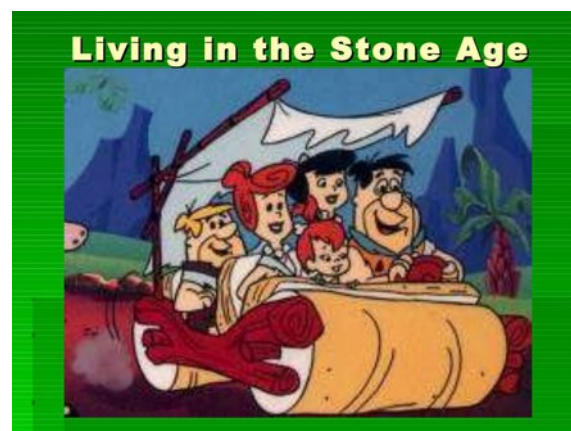
If the weather is bad, and you are not sure the Club Meeting will be held, call the Howard Miller Community Center at 616-772-0879. If the Library is open, the meeting is ON!

Look Out for a Trailer

The Club is in need of a trailer to store items in between Shows. The load capacity of the trailer should be at least **one ton**. If you see one for sale, either in person or online, please notify a Board Member.

Club Sales Material

The Club is in need of material for Club Sales. During your rockhounding this spring, summer and fall, please consider donating a portion of your collecting goodies to the Club. Please make sure any donated material is clean, and, where possible, identified.



**YOU are the Club.
Exercise your literary skills.
Send it to me.
See it published.**

Annual Scholarship Potluck Banquet – April 27th

The annual Scholarship banquet (potluck) will be held Wednesday, April 27 at the Herman Miller Community Center in Zeeland. Punch is at 6:00pm, potluck at 6:15pm. Please note that this is one hour earlier than usual. Bring your own table service, and at least enough food that corresponds to the number of people in your group. (Please remember we will be providing food for several extra guests, so more is always preferable!) The Club will provide coffee, tea and punch. Our speaker will be Doug Moore, an expert speaker, collector and photographer of agates. Be sure to mark your calendar and join us for a fun evening!

Potluck Banquet Special Raffle Item

Raffle tickets for the beautiful amethyst cathedral will be on sale at the March General Meeting. The cost is \$5 for one ticket or \$20 for FIVE!

Indian Mounds Rock & Mineral Club's 41st Annual Show

When: April 7 – 9, 2016
Thursday 9:30 am — 9:00 pm
Friday 9:30 am — 9:00 pm
Saturday 9:30 am — 7:00 pm

Where: Rogers Plaza Town Center
972 28th Street SW
Wyoming, Michigan

FREE ADMISSION & PARKING

Kalamazoo Gem and Mineral Society 2016 Show

Show dates: April 29th - May 1, 2016
General Admission Hours
Friday 4:00-8:00pm
Saturday 10:00am-6:00pm
Sunday 10:00am-5:00pm

Kalamazoo County Expo Center
2900 Lake St
Kalamazoo, MI 49048

Adults - \$3
Children under 12 and Scouts, in uniform - free

Information on Kids Day (for schools and home schoolers) can be found at <http://kalamazoorockclub.org/for-schools-kids-day> .

Friday, April 29th, before 2:00 pm is for school kids – show is closed 2-4 PM.

Note: before 4:00pm, some dealers may cover portions of their booths.
The craft area, petoskey stone polishing and door prizes start at 4 pm on Friday.

A full size copy of Sue's (T-Rex) head has been reserved for the show. We have also secured a Velociraptor sculpture. There is even a chance the U of M Natural History Museum will be in attendance: demonstrating what a paleontologist does, with examples of recent finds. And, we continue to work on other Dinosaur attractions for the show as well!

What's new: <http://kalamazoorockclub.org/2016-kalamazoo-rock-and-mineral-show>

Central Ohio 42nd Annual Mineral, Fossil, Gem & Jewelry Show

Look out the window, and imagine everything you see being covered in water. This was once our landscape; long ago Ohio was part of an ancient sea. Like a modern-day sleuth, today's scientists and enthusiasts interpret the clues they find preserved in the rocks. The distribution of fossils (skeletons, shells, leaf impressions, footprints, and dinosaur eggs) in rocks of a certain age tells something about the ancient distribution of life, lands, and seas on the earth's surface.

The 42nd annual Central Ohio Mineral, Fossil, Gem & Jewelry show is all about discovering the secrets of Ohio's ancient past. A great learning opportunity for adults and children alike, the show will feature presentations from local experts in geology, fossils, and the earth sciences. **This is the *only* mineral show in Central Ohio that welcomes children and, in fact, offers activities specifically for children, including a free specimen for every child and educational exhibits, games and activities.**

EVENT: Central Ohio 42nd Annual Mineral, Fossil, Gem & Jewelry Show: **“Rockhounds, Pebble Pups: Make It a Family Affair”**

DATES: April 2-3, 2016

LOCATION: Northland Performing Arts Center, 4411 Tamarack Blvd., Columbus, OH, 43229

TIMES: 10 am to 6 pm Saturday and 11 am to 5 pm Sunday

ADMISSION: Adults: \$7.00 (2-day pass \$12.00) Seniors: \$6.00 Youth 6-16: \$3.00

Scouts in uniform free. Teachers with School ID and Military with ID free.

BENEFITS: Show proceeds benefit scholarships for Ohio earth science majors

PROGRAMS:

Saturday 1:00 pm “Exploring the Columbus Limestone”

Scott Kell, Geologist and Administrator with Ohio Department of Natural Resources. Every rock has a story to tell. The Earth has kept a detailed diary of its history that can be discovered by exploring the layers of rock and their entrained fossils. Locally, the Columbus Limestone contains a diverse fauna of marine animals including corals, trilobites and fish. The Columbus Limestone is very fossiliferous, reflecting deposition in a shallow warm marine environment, much like the current Bahama Islands complex.

Saturday 3:00 pm “A Paleontologist Looks at the Jurassic Park Movies”

Dale Gnidovec, Curator, Orton Geological Museum, The Ohio State University. The dinosaurs and other prehistoric animals in the Jurassic Park films are very lifelike, but how scientifically accurate are they? This talk discusses what the filmmakers got right and what they got wrong.

Sunday 2:00 pm “Ice Age Ohio”

Dr. Brenda Hunda, Curator of Invertebrate Paleontology, Cincinnati Museum - Fossil Treasures of Cincinnati. One of the most fossiliferous regions in North America is right in your backyard. Fossil collecting in the ancient Ordovician ocean near Cincinnati, some 450 million years old, leads us into an undersea world of trilobites, cephalopods, crinoids, and so much more. Come and discover some of the spectacular fossils of the Cincinnati region and why they are important to our understanding of life on Earth.

Sponsored by Columbus Rock & Mineral Society with Licking County Rock & Mineral Society.

CONTACT INFORMATION: Teri Ryan, 614-403-4454, tlyan129@gmail.com, Craig Kramer, craig.kramer@wowway.com

Tulip City Gem and Mineral Club
Board Meeting
February 10, 2016

Location: Howard Miller Community Center—East Activity Room

Members Present: A. Edson, CH Falstad, S. Goedert, E. Hoekstra, B. Sherwood, J. Sherwood, R. Silich, R. Smith, L. Winkelmann

Absent: P. DeGroot, K. Grenon, L. Plumert, C. Silich, B. Sinke

Guests: Mark Cistaro, Ken Hoekstra, Chet Smith

Bob Sherwood opened the meeting at 7:10.

Minutes from the January 13 Board Meeting were read and discussed. Betty moved that the minutes be accepted as corrected. Linda seconded; motion passed. Minutes from the January 27 General Meeting were read and discussed. Art moved that they be accepted as corrected. Rudy seconded; motion passed.

Treasurer's report: Julia presented the January financial report. It was moved and seconded that this report be accepted. Motion passed.

Julia reported that the Club's books for the 2015 year had been audited and that the auditor found them to be in order.

Vice-President's Report: CH noted that the March program was still to be determined, but that Doug Moore, from Wisconsin was tentatively scheduled for an April program on agates and that a payment to him of approximately \$315 would cover his car rental, meals and lodging.

Editor's Report: Rudy announced that the deadline for materials for the February newsletter was Saturday evening, February 13.

Historian's Report: Betty mentioned the need for Memorial Case specimens for Jim Benson and Dutch Wolff.

Juniors: Rick reported that the February junior program would be about ores and alloys.

Show report: Sue spoke about floor layouts for this year's Show and reported that the "Artisans Co-op" section of last year's Silent Auction would be managed this year as an Artisans Market with uniform tagging and display organized by Esther Kirkendall. Show publicity will begin shortly after a Show theme has been chosen.

New Business:

- Bob proposed that a pair of books to be donated to the Zeeland Library as memorial presentations honoring Jim Benson, long-time member and officer (including president) and Walter "Dutch" Wolff, long-time member and Show demonstrator. The proposed books were *Fluorite* and *Opal*, nos. 9 and 10 in the Lithographie LLC series. CH moved to accept this proposal. Art seconded; motion passed.

- Bob reported new developments in the fee structure at the Soccer Stop and in the AAUW interest in sharing our show site and date. Bob and Julia were authorized to place a downpayment to secure ½ of the Soccer Stop. Sue will look into rental rates for chairs and tables. Additionally we should inquire about (a) the possibility of an informal hold on the second ½ of the Soccer Stop, (b) signage at D & W directing Show attendees, (c) the need for a temporary sales license. It was agreed that proceeds from the raffle of the donated Amethyst Cathedral would go to the Show income budget.

- Mark reported on the Weebly website whose homepage could be "motile" like a blog and could include such information as the number of days until the Show.

- Chet asked that the Show Site Committee be officially discharged. CH made the motion; Rudy seconded; motion passed.

Meeting adjourned at 9:08.

Respectfully submitted,

Rick Smith, secretary pro tem.

TCGMC General Meeting Minutes
February 24, 2016, 7 p.m.
Howard Miller Community Center

President Bob Sherwood's Remarks

Board Meeting Summary (will appear in next month's newsletter)

Open Board position: Social Coordinator.

Howard Miller Library Donation: Memorial books selected for Jim Benson (Fluorite), Dutch Wolff (Opal) in the Lithographie series. **Donate directly** to the Gibson Fund – see Julia Sherwood.

2016 Show Venue - Committee – Mark Cistaro, Sue Goedert & Julia Sherwood. The Soccer Stop contract is being revised. Because the Civic Center is not going to start work on their building until after Labor Day, the AAUW decided to reserve a spot there instead of sharing the Soccer Stop space with TCGMC. Bob Sherwood met with Jeremy Myers at the Civic Center 2/15/16 to discuss the possibility the Center might still be available for our show, in the middle of September, 9/14 – 9/18/2016. City Council is expecting to receive the final drawings in March. Reservations will depend upon when demolition and construction will begin. TCGMC decided to go ahead and make plans and a \$200 deposit on the Soccer Stop to hold a spot in September. If the Civic Center allows TCGMC to use their space, it will save money for the Club, even with the \$200 deposit loss.

TCGMC needs a 1 Ton Capacity Cargo Trailer.

Amethyst Cathedral Raffle for April Banquet – tickets: \$5 each or 5 for \$20; Julia Sherwood sold tickets. All proceeds will go into the TCGMC Gem & Mineral Show fund.

April 17 Banquet Committee – Volunteers needed. Please see Linda Plumert.

April 29, 30 & May 1 Kalamazoo Geological & Mineral Society will hold their Dinosaur themed Rock, Gem, Fossil & Mineral Show at the County Expo Center. Their Club is looking for exhibits - See Bob Sherwood. Set up on April 28.

Treasurer, Julia Sherwood presented the Club financial report. **\$614.40** raised from the Boone auctions will go to the Gibson Fund.

Weebly website – Art Edson/Mark Cistaro - no rpt.

Show Chair, Sue Goedert – March 2 meeting 7PM next show committee meeting.

Sewists or Sewers: We need help to sew bags for stone collections for young students at our annual gem show. Please see Julia Sherwood. The fabric is cut and ready!

Spring cleaning? Set aside your clean and labeled stones for club sales.

Adjournment of Business Meeting

Break – Thank you, Vondelee Knoll and son, Jeff, the baker for organizing and providing treats!

Door Prize Drawings were conducted by Mike Graebner: 1 Adult drawing, 1 Junior drawing.

The Raffle Trio was postponed until March in a vote of the attendees, because of low meeting turnout.

A Double Program was presented because there were only 14 in attendance. Rick Smith presented his junior program, "Ores, Alloys and ...Melting" to the whole group. That program will be repeated for the Juniors in March. C.H. Falstad presented a video on the fluorescent minerals in Franklin, NJ. Thank you, Rick Smith & C.H. Falstad!

Meeting adjourned: 9:07 PM

The American Federation of Mineralogical Societies

Code of Ethics

- ◆ I will respect both private and public property and will do no collecting on privately owned land without permission from the owner.
- ◆ I will keep informed on all laws, regulations or rules governing collecting on public lands and will observe them.
- ◆ I will, to the best of my ability, ascertain the boundary lines of property on which I plan to collect.
- ◆ I will use no firearms or blasting material in collecting areas.
- ◆ I will cause no willful damage to property of any kind such as fences, signs, buildings, etc.
- ◆ I will leave all gates as found.
- ◆ I will build fires only in designated or safe places and will be certain they are completely extinguished before leaving the area.
- ◆ I will discard no burning material - matches, cigarettes, etc.
- ◆ I will fill all excavation holes which may be dangerous to livestock.
- ◆ I will not contaminate wells, creeks, or other water supplies.
- ◆ I will cause no willful damage to collecting material and will take home only what I can reasonably use.
- ◆ I will practice conservation and undertake to utilize fully and well the materials I have collected and will recycle my surplus for the pleasure and benefit of others.
- ◆ I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.
- ◆ I will cooperate with field-trip leaders and those in designated authority in all collecting areas.
- ◆ I will report to my club or federation officers, Bureau of Land Management or other authorities, any deposit of petrified wood or other materials on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.
- ◆ I will appreciate and protect our heritage of natural resources.
- ◆ I will observe the "Golden Rule", will use Good Outdoor Manners and will at all times conduct myself in a manner which will add to the stature and Public Image of Rockhounds everywhere.

JUNIOR ROCK CLUB PAGE

"Ores, Alloys, and...Melting"

As it turns out, there's an interesting connection between our March meeting topic on ores and alloys and the March of Civilization. You can see this is reflected in the progression of historical periods called the Stone Age, Copper Age, Bronze Age and Iron Age. As rockhounds we can easily appreciate the efforts of Stone Age people to find the best rocks and minerals to make tools and objects out of. Those Stone Age people went on field trips sort of like we do, looking for particular kinds of rocks and minerals (like flint) for their own "projects." Later when people figured out how to extract copper metal from copper ores they were able to make tools that were lighter in weight and easier to shape than stone tools. Who wants to carry around a stone bowl, when a lighter weight copper bowl is available? So then there were more field trips, this time to look for different rocks and minerals (like the copper ores malachite or cuprite)...And on and on. For thousands of years rockhounds of one sort or another have been going on field trips.

Our program on "Ores, Alloys, and...Melting," which was originally scheduled for this past February meeting, is now on tap for our March meeting. (Maybe we'll have better weather this time.) As was planned before, we'll explain the differences between ores and the elements they're named for (like iron and iron ore or copper and copper ore). We'll also explain how alloys (like bronze and brass and steel) are made from the elements extracted from ores. And for a climax--right before your very eyes--we'll melt the element zinc right out some pennies! Each junior at our March 30 meeting will receive a take-home specimen of copper ore and of the element zinc that has been extracted from our own special "ore body."

Linda Winklemann and Rick Smith
Junior Club Advisors



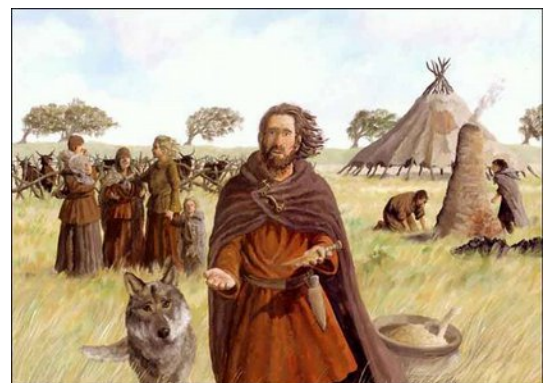
Stone Age man digging out a canoe.



Copper age artifacts from the near-East.



Bronze Age items from the Dover Museum.



Early Iron Age enclosure based on Thurnham, Kent.

Our club is a non-profit organization sponsored by the Holland Recreation Department. it is a member of the Midwest Federation and the American Federation of Mineralogical Societies. The general purpose of this club is to develop interest in and increased knowledge of minerals, rocks, gems, fossils, and the lapidary arts. The objectives of this club shall be promoted whenever Possible, through family participation.



To become a member, complete the form at www.tulipcity.org

The deadline for submissions is 5p the Thursday after the Board Meeting.

Advertising rates for club members are: \$5 for business card size, \$10 for ¼ page, \$15 for ½ page, \$30 for full page. non-member rates are double. Make check payable To: TCG&M with ad copy to Editor.

<https://westhillwhistler.wordpress.com/tag/stone-age/>

Meetings are held monthly on the last Wednesday of the month at the Howard Miller Community Center, 14 S. Church Street, Zeeland, MI at 7pm, unless announced otherwise in the TULIP CITY CONGLOMERATE. Junior Club welcomes young rockhounds and meets separately during the meeting.



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Tulip City Conglomerate
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